FIG. 1

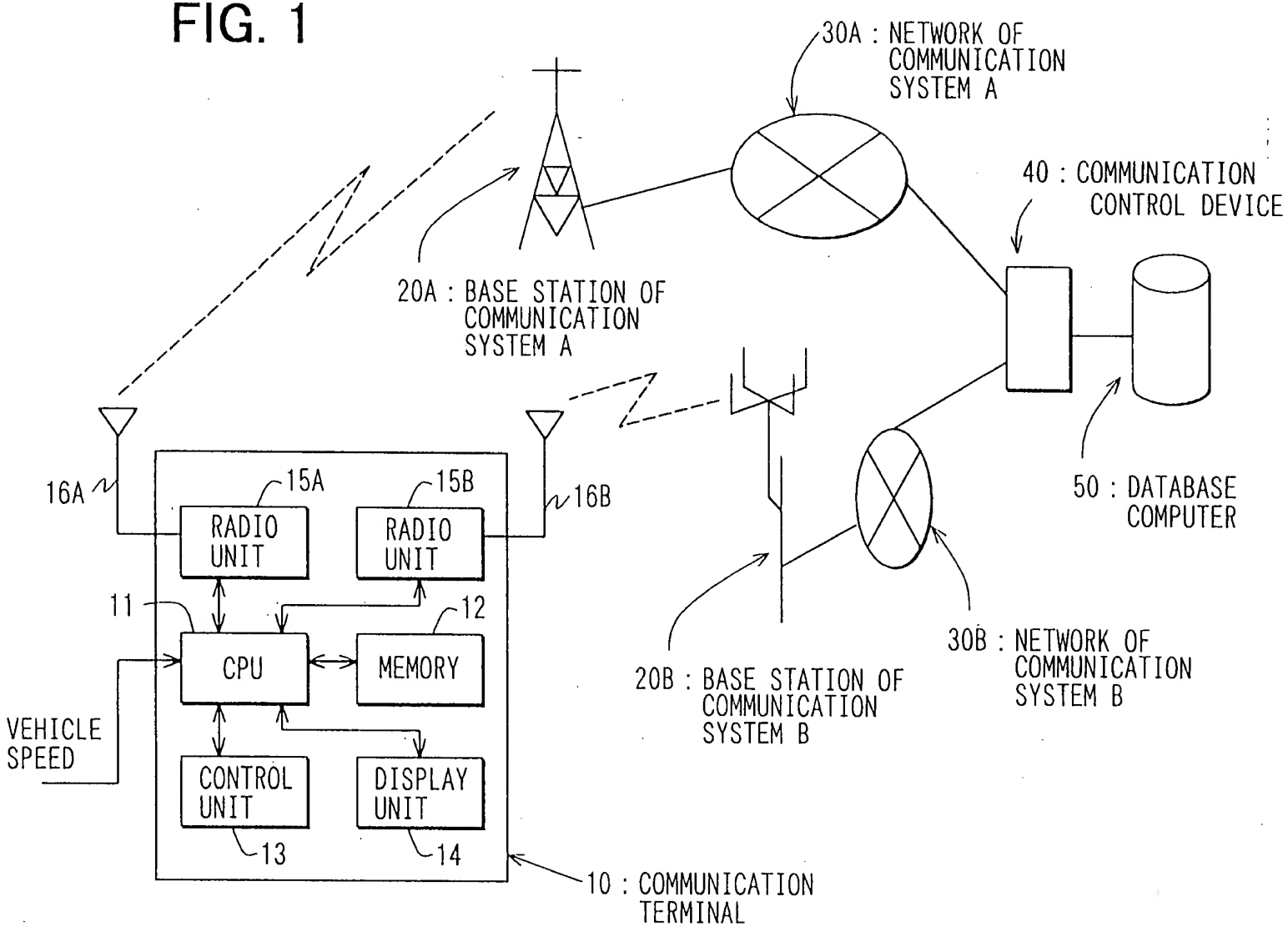

30A : NETWORK OF COMMUNICATION SYSTEM A
40 : COMMUNICATION CONTROL DEVICE
20A : BASE STATION OF COMMUNICATION SYSTEM A
50 : DATABASE COMPUTER
16A
15A
15B
16B
RADIO UNIT
RADIO UNIT
11
12
CPU
MEMORY
VEHICLE SPEED
CONTROL UNIT
DISPLAY UNIT
13
14
10 : COMMUNICATION TERMINAL
20B : BASE STATION OF COMMUNICATION SYSTEM B
30B : NETWORK OF COMMUNICATION SYSTEM B

FIG. 2

PROFILE
COMMUNICATION CONTENTS (DATA)

FIG. 3

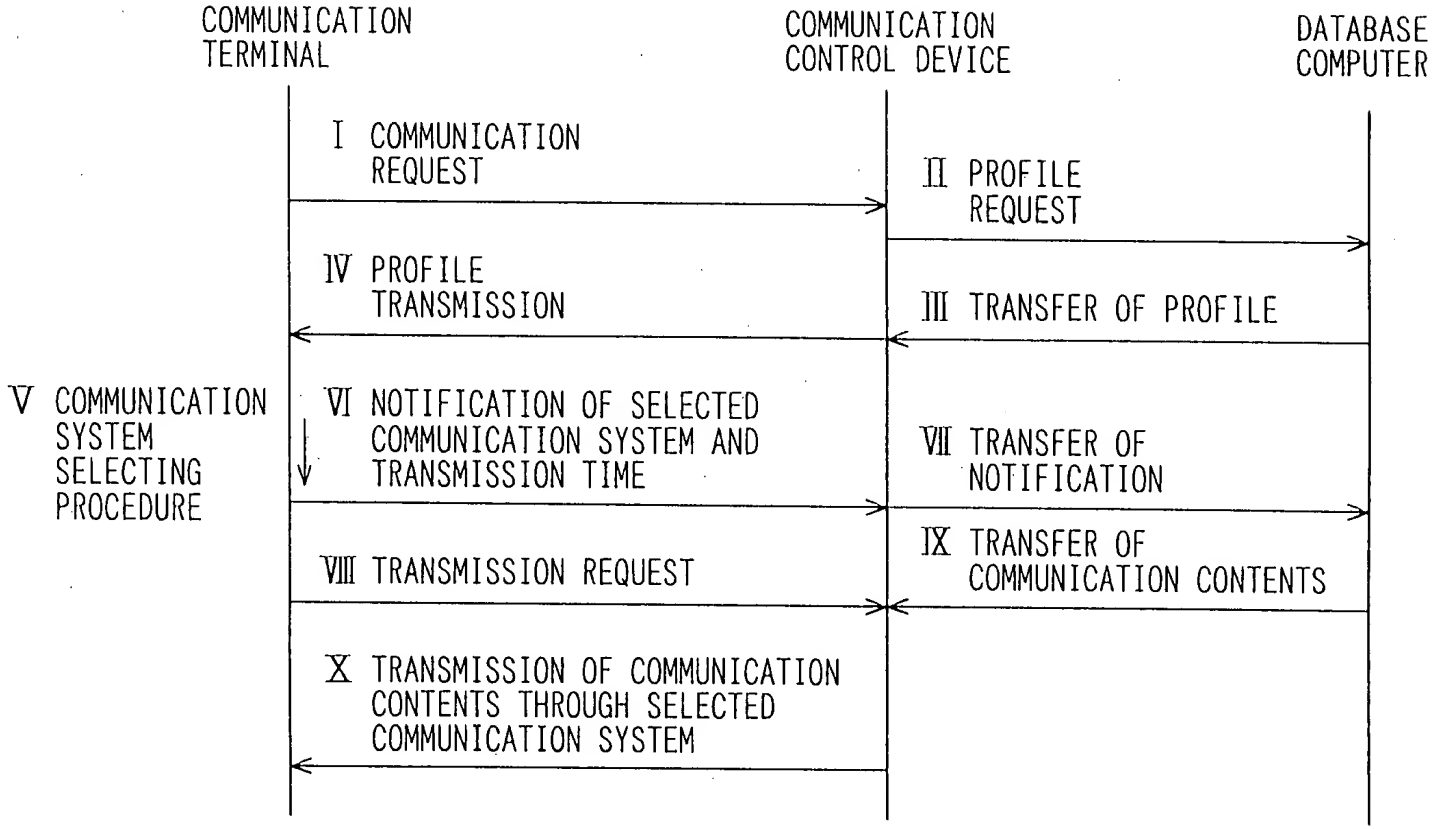

COMMUNICATION TERMINAL
COMMUNICATION CONTROL DEVICE
DATABASE COMPUTER
I COMMUNICATION REQUEST
II PROFILE REQUEST
IV PROFILE TRANSMISSION
III TRANSFER OF PROFILE
V COMMUNICATION SYSTEM SELECTING PROCEDURE
VI NOTIFICATION OF SELECTED COMMUNICATION SYSTEM AND TRANSMISSION TIME
VII TRANSFER OF NOTIFICATION
VIII TRANSMISSION REQUEST
IX TRANSFER OF COMMUNICATION CONTENTS
X TRANSMISSION OF COMMUNICATION CONTENTS THROUGH SELECTED COMMUNICATION SYSTEM

FIG. 4

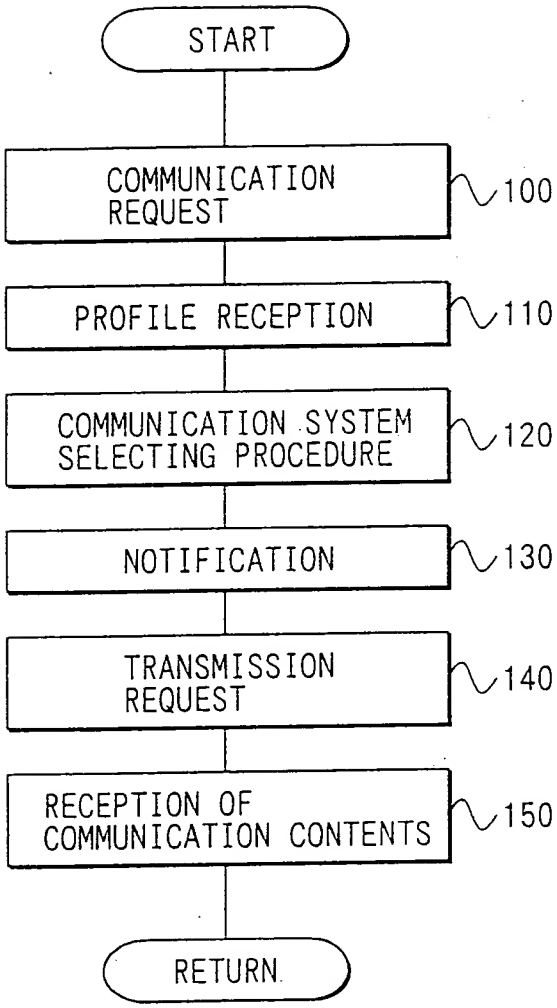

START
COMMUNICATION REQUEST
100
PROFILE RECEPTION
110
COMMUNICATION SYSTEM SELECTING PROCEDURE
120
NOTIFICATION
130
TRANSMISSION REQUEST
140
RECEPTION OF COMMUNICATION CONTENTS
150
RETURN

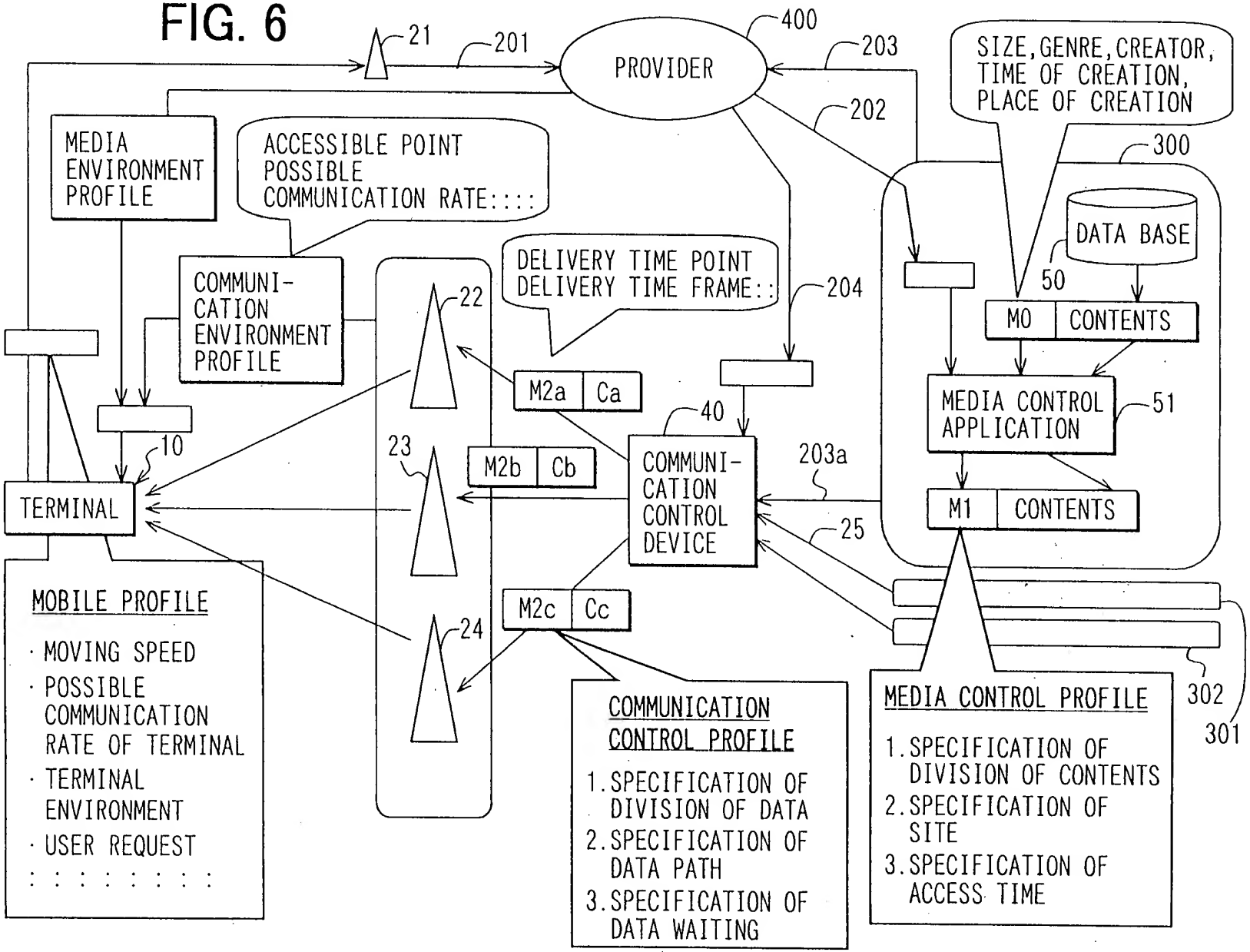
FIG. 5A

TRANSMISSION RATE	SCORE
9600bps	10
14400bps	10
32000bps	50
64000bps	50
128000bps	50
384000bps	100
640000bps	100
2400000bps	100

FIG. 5B

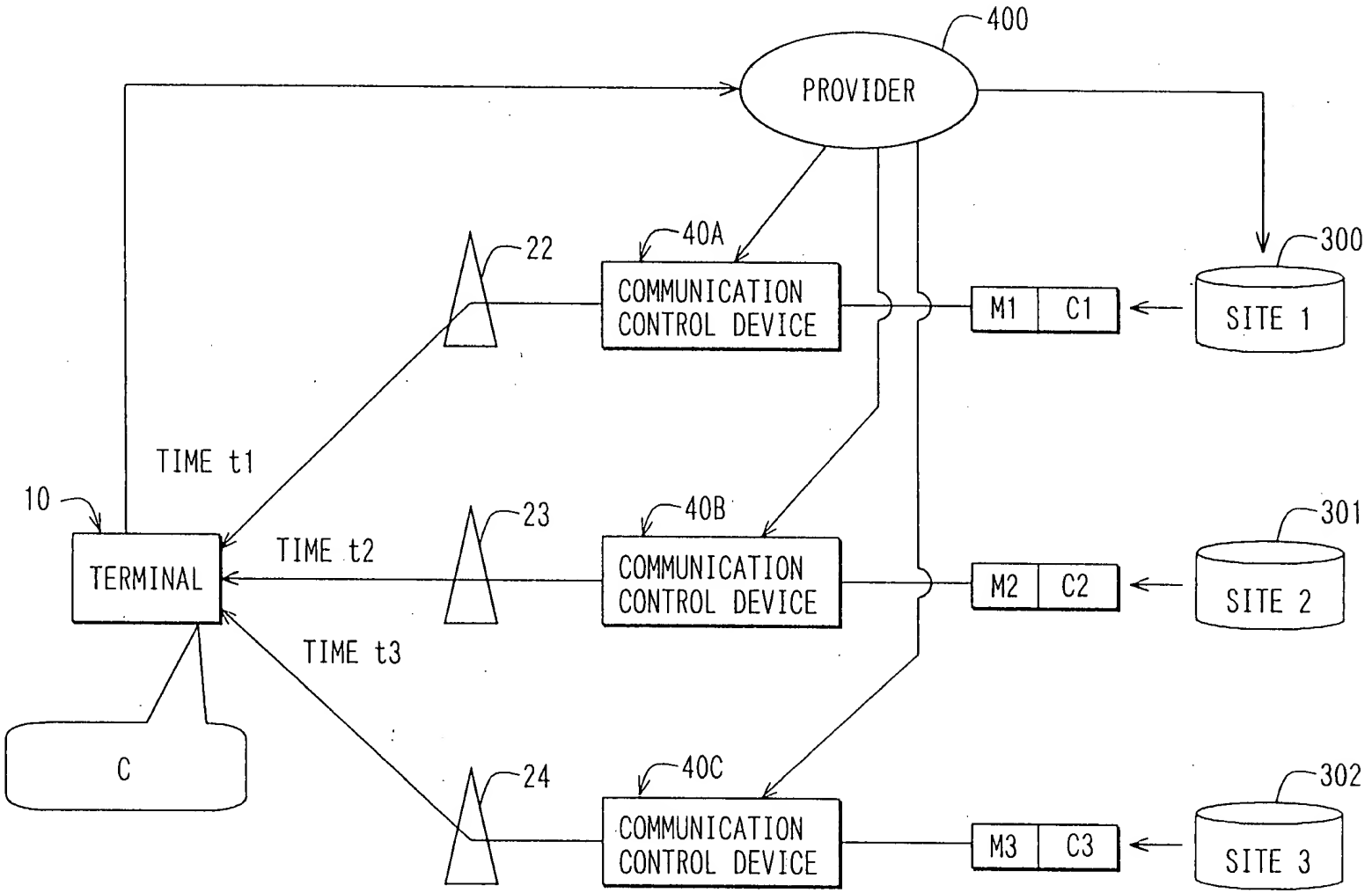
MOVING SPEED	10km OR LESS	———	50km	60km	———	100km	100km OR OVER
SCORE	100	50	50	30	30	10	10

FIG. 6


21
201
PROVIDER
400
203
202
SIZE, GENRE, CREATOR, TIME OF CREATION, PLACE OF CREATION
300
MEDIA ENVIRONMENT PROFILE
ACCESSIBLE POINT POSSIBLE COMMUNICATION RATE::::
DATA BASE
50
COMMUNI-CATION ENVIRONMENT PROFILE
DELIVERY TIME POINT DELIVERY TIME FRAME::
204
22
M0
CONTENTS
M2a
Ca
40
MEDIA CONTROL APPLICATION
51
10
23
M2b
Cb
COMMUNI-CATION CONTROL DEVICE
203a
TERMINAL
M1
CONTENTS
25
M2c
Cc
24
MOBILE PROFILE
· MOVING SPEED
· POSSIBLE COMMUNICATION RATE OF TERMINAL
· TERMINAL ENVIRONMENT
· USER REQUEST
: : : : : : : :
COMMUNICATION CONTROL PROFILE
1. SPECIFICATION OF DIVISION OF DATA
2. SPECIFICATION OF DATA PATH
3. SPECIFICATION OF DATA WAITING
MEDIA CONTROL PROFILE
1. SPECIFICATION OF DIVISION OF CONTENTS
2. SPECIFICATION OF SITE
3. SPECIFICATION OF ACCESS TIME
302
301

JP2760225660

FIG. 7



T02T60" 2425660

FIG. 8

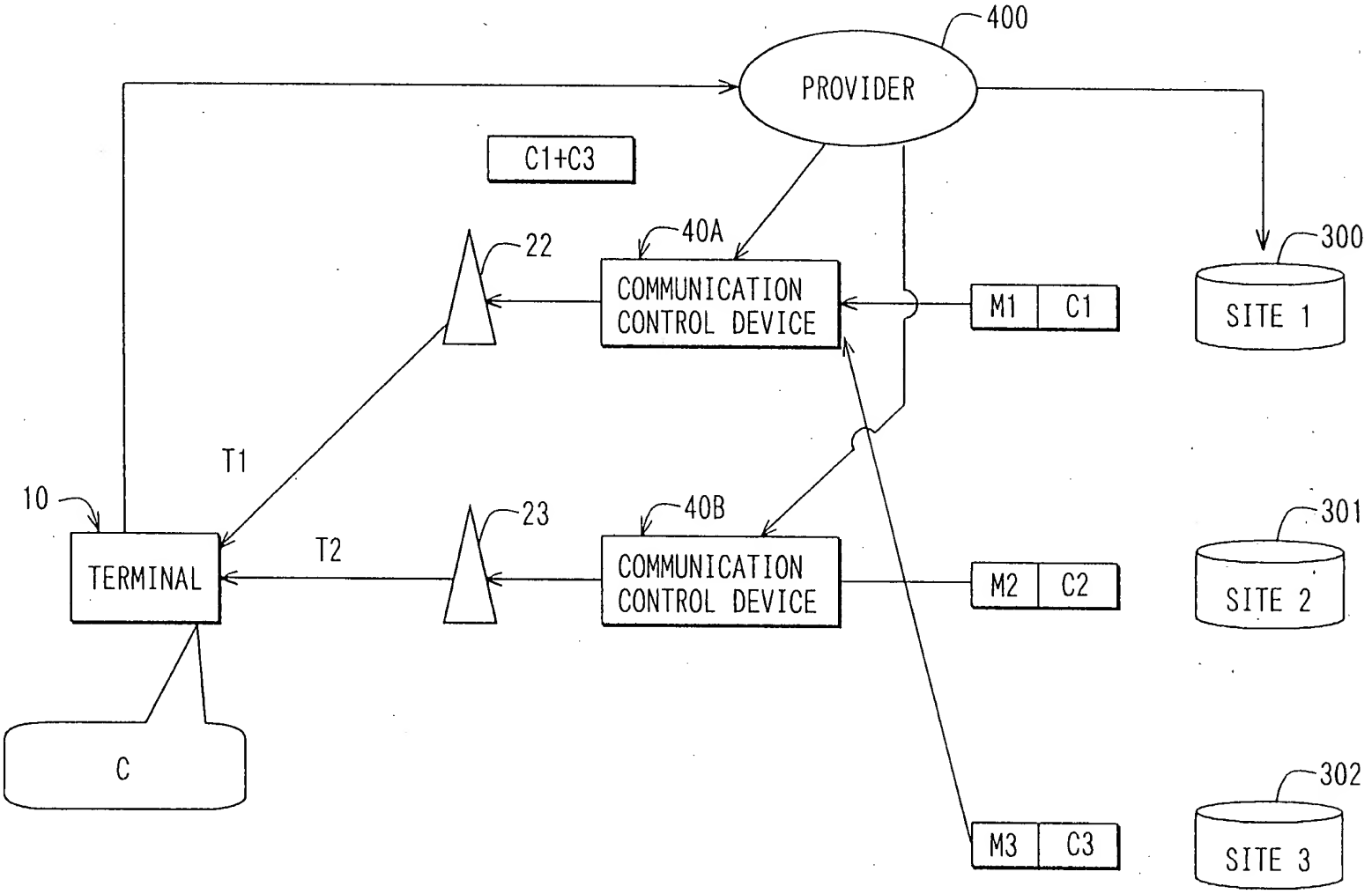
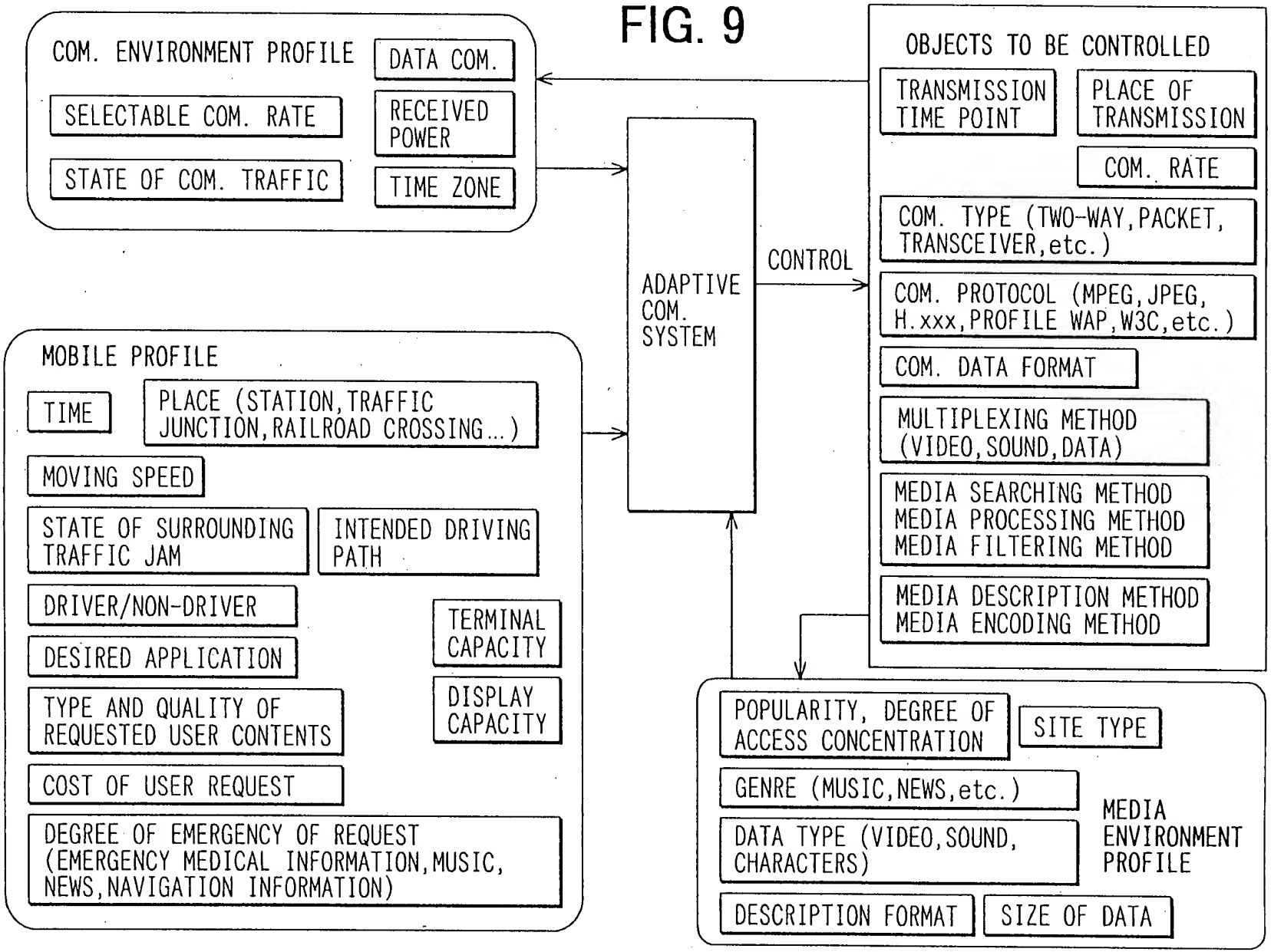


FIG. 9


COM. ENVIRONMENT PROFILE
DATA COM.
SELECTABLE COM. RATE
RECEIVED POWER
STATE OF COM. TRAFFIC
TIME ZONE
OBJECTS TO BE CONTROLLED
TRANSMISSION TIME POINT
PLACE OF TRANSMISSION
COM. RATE
COM. TYPE (TWO-WAY, PACKET, TRANSCEIVER, etc.)
COM. PROTOCOL (MPEG, JPEG, H.xxx, PROFILE WAP, W3C, etc.)
COM. DATA FORMAT
MULTIPLEXING METHOD (VIDEO, SOUND, DATA)
MEDIA SEARCHING METHOD
MEDIA PROCESSING METHOD
MEDIA FILTERING METHOD
MEDIA DESCRIPTION METHOD
MEDIA ENCODING METHOD
ADAPTIVE COM. SYSTEM
CONTROL
MOBILE PROFILE
TIME
PLACE (STATION, TRAFFIC JUNCTION, RAILROAD CROSSING...)
MOVING SPEED
STATE OF SURROUNDING TRAFFIC JAM
INTENDED DRIVING PATH
DRIVER/NON-DRIVER
DESIRED APPLICATION
TERMINAL CAPACITY
DISPLAY CAPACITY
TYPE AND QUALITY OF REQUESTED USER CONTENTS
COST OF USER REQUEST
DEGREE OF EMERGENCY OF REQUEST (EMERGENCY MEDICAL INFORMATION, MUSIC, NEWS, NAVIGATION INFORMATION)
POPULARITY, DEGREE OF ACCESS CONCENTRATION
SITE TYPE
GENRE (MUSIC, NEWS, etc.)
DATA TYPE (VIDEO, SOUND, CHARACTERS)
MEDIA ENVIRONMENT PROFILE
DESCRIPTION FORMAT
SIZE OF DATA